

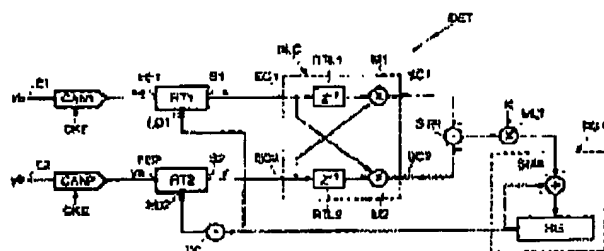
Signal time shift detecting circuit includes use of adjustable delay to eliminate time shifts between two sampled signals

Patent number: FR2805382
Publication date: 2001-08-24
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Classification:
 - International: G11B7/08
 - european: G11B7/09A; H03L7/081A1; H03L7/085
Application number: FR20000002264 20000223
Priority number(s): FR20000002264 20000223

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Abstract of FR2805382

the system uses application of adjustable delays in successive sampling periods to eliminate time differences. Two photodetectors are used in the positioning of a laser spot on a DVD track. The procedure for the elimination of time difference between two photodetector signals which are time-shifted includes sampling each signal (xb, yb). Each sampled signal element is delayed (xa, ya) by an adjustable delay. Working at the sampling frequency, at least one of the adjustable delays (RT1, RT2) is adjusted until there is a null time difference between the delayed signals. The final adjustable delay which is applied then provides the required indication of the time difference between the two signals.



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